



Application No.  
10/646,871

Group  
2851

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DATE CONSIDERED 04-12-2005

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
P23687Application No.  
10/646,871INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(Use several sheets if necessary)

Applicant  
Hiroshi NOMURAFiling Date  
August 25, 2003Group  
2851

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CL AS S	SUBCLASS	FILING DATE IF APPROPRIATE
	4 9 5 2 9 5 5	08/28/90	IWATA et al.			
	4 9 3 7 6 0 9	06/26/90	WAKABAYASHI et al.			
	5 9 0 9 6 0 0	06/01/99	KOSAKO			
	4 5 4 5 6 6 1	10/08/85	HAMAGUCHI et al.			
	5 7 9 0 9 1 1	08/04/98	REIBL			
	5 7 9 0 9 0 7	08/04/98	REIBL			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
0 5 9 8 7 0 3	05/25/94	E.P.O			
9 - 1 5 6 8 2	01/17/97	JAPAN			
0 8 1 0 4 6 6	03/12/97	E.P.O			
3 3 1 7 9 9 9	11/24/83	GERMANY			
1 9 6 2 3 0 6 6	12/11/97	GERMANY			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1	English language Abstract of JP 9-15682.

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4 7 9 1 4 4 1	12/13/88	NISHI et al.			
	4 4 5 1 1 2 9	05/29/84	IKARI et al.			
	3 3 7 7 4 2 7	04/09/68	FISCHER			
	5 7 1 5 4 8 2	02/03/98	WAKABAYASHI			
	4 5 9 7 6 5 7	07/01/86	WAKABAYASHI			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
8 - 3 1 3 7 9 0	11/29/96	JAPAN			
6 - 2 3 0 2 6 3	08/19/94	JAPAN			
10 - 2 5 4 0 5 4	09/25/98	JAPAN			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	English Language Abstract of JP 8-313790.
	2	English Language Abstract of JP6-230263.
	3	English Language Abstract of JP 10-254054.
	4	English Language Abstract of JP 2003-149723.

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